



Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200  
Fax 613 632-5246

# Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO040841	ACI001-VC	4	1	Net 30	M304B0.625X3.000	304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				12	8/31/2018	13		S107618	Stock	8/31/2018	\$ 37.96 / ft	4		\$490.34	Acier Ouellette Inc.
		8			MT-4140-R4.500	AISI 4140 Round Bar 4.500 Dia. : MATERIAL: AISI 4140 ROUND BAR MINIMUM ROCKWELL C = 20 Rc MAXIMUM ROCKWELL C = 38 Rc SPECIFICATION: ASTM A29, AMS 6349, AMS 6382, AMS 6529				3		3		S107619	Stock	8/31/2018	\$ 94.47 / ft	4		\$283.40	Acier Ouellette Inc.
										<b>Total:</b>		<b>15</b>	<b>16</b>							<b>\$588.44</b>	

Plex 9/4/2018 8:23 AM dart.Tollis.Andrew



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO040841

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**PO No:** PO040841  
**PO Date:** 8/24/18  
**Due Date:** 8/31/18  
**Purchase Order  
Revision:**  
**Revision Date:**  
**Ship-To Contact:** Lavoie, Chantal  
Phone: clavoie@dartaero.com

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground  
**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:** quote no. SOU0127397

### Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M304B0.625X3.000		304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	8/31/18	6 ft	0 ft 12.9174	6 ft	\$45.155/ft	\$270.93
6		MT-BRONZE- C63000-R2.500		Bronze C63000 Round Bar 2.500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463	Firmed	-	8/31/18	2 ft	0 ft	2 ft	\$284.475/ft	\$568.95
8		MT-4140-R4.500		AISI 4140 Round Bar 4.500 Dia. : MATERIAL: AISI 4140 ROUND BAR MINIMUM ROCKWELL C = 20 Rc MAXIMUM ROCKWELL C = 38 Rc SPECIFICATION: ASTM A29, AMS 6349, AMS 6382,	Firmed	-	8/31/18	3 ft	0 ft 3.54	3 ft	\$94.4666/ft	\$283.40



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Hawkesbury, ON  
K6A 1K7  
Canada

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# PURCHASE ORDER PO040841

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
				AMS 6529								
9		M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	-	8/31/18	160 sf	0 sf	160 sf	\$7.71619/sf	\$1,234.59
												AUG 28 2018
Grand Total:												\$2,357.87

## Order Notes

### Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents
- A048 counterfeit parts avoidance, detection, mitigation and disposition program
- A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 8/28/18 4:04 PM dart.baker.diane



**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - USINE**

**Copy**

CO00106433

**Billed to**

DART AEROSPACE LTD

**Shipped to**

DART AEROSPACE LTD

**Instruction**

F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Delivery Route** 5

**Customer N°** CLI0001056

**Date** 2018/08/24

**Delivery date** 2018/08/31

**Your order N°** PO040841

**Processed by** Bonnie Fraser

**Salesman** BONNIE FRASER

**Carrier** OUELLETTE VALLEYFIELD

**Credit Terme** Net 30 Days

Product Description	Weight	Qty	UM	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 FLAT SS 5/8 X 3 SS304 NS FSS-583 1 x Heat : 56170113 AC19262-SM-2018/08/30	76.56	12.00	PL \$CLB		1 x 12/11					
2 ROUND 4140 ANNEALED 4 1/2 (R) R4140-412A 1 x 3' Heat : 38443 Transit St. Jerome - 27/08	166.77	3.00	PL \$CLB		1 x 3					

**Conditions :**

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

**Total Weight (Lbs) :** 243.33

NIR : R-109516-6

Prepared By :

Verified By :

Delivered By : Time

Y M D

Customer's Signature

Date

106433

Dart

19262N

001051

<b>BOLLINGHAUS</b> STEEL		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade		No.: / Nr.: / Nr.:	
Bollinghaus Steel, SA DIN EN ISO 9001:2008 TUV CERT No. 01 100 030458		EN 10204:2004 / 3.1		0000127395	
Unsere Innere Verweisung / Our Int. Ref / N/ ref int		Datum / Date / Data			
5600034598 000040		11.04.2017			
Normen / Standards / Normas					
TYPE 304L/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A193/A193M-16, ASTM A479/A479M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A262-15 Pract. E, AMS QQ-S-763D, AMS 5639H, AMS 5647J, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16.					
Kunde / Customer / Cliente			Endgültiger Kunde / Final Customer / Cliente Final		
Bestell-Nr./Order Nr./Enc.Nr.			Bestell-Nr./Order Nr./Enc.Nr.		
Produktgruppe / Product Group / Grupo Produto		Gewicht / Weight / Peso		Bunde / Bundle / Atados	
AISI 304L FLAT 5/8 X 3"		2.060 lb		02	
Werkstoff-Nr. Material no. Qualidade		Werkstoff-Normbezeichnung / Material standard grade / Norma do material			
1.4307		X 2 CrNi 18-9			
Beschreibung / Description / Descrição					
Stainless steel flat bars, hot-rolled, heat treated, straightened and pickled. US-DFAR 252.225-7019: MELT SOURCE: United Kingdom / MFG: Portugal.					
Chemische Analyse in % / Chemical composition in % / Análise química em %					
Schmelz-Nr. Cast no. / Fuso nr.		56170113			
C	0.018	Si	0.300	Mn	1.730
P	0.032	S	0.025	Cr	18.290
Ni	8.090	Mo	0.380	Co	0.238
Cu	0.440	N	0.080	Ti	0.003
Nb	0.031	Al	0.007		
Proben-Nr. Test no. Cui amostra no.		3060704.01.01			
ASTM E399		ASTM A370			
Kerbschlagarbeit Impact Test Resiliência		Streckgrenze Yield point Tensão limite		Dehngrenze 1% point Limite de extensão	
(Charpy V)		Rp 0.2 %		Rp 1.0%	
[ J ]		[ Ksi ]		[ Ksi ]	
205.0		54.4		58.7	
				96.0	
				57.2	
				59.6	
				70.3	
Visuelle Kontrolle Visual inspection Inspeção visual		ASTM E10 Härte Hardness Dureza [ HB ]		ASTM A262 Practice E Korrosionsbeständigkeit IC Test Corrosão Intermetálica	
OK		190		OK	
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional		ASTM E112 Korngröße Grain size Tamanho de grão		Wärmebehandlung Heat treatment Tratamento térmico	
OK		9		Annealed Quenched 1800°F (1050 °C)	
Verwechslungsprüfung Test of identity Teste de identificação		Makroskopische Untersuchung Macrographic test		(water quenched)	
OK		Material free from segregation defects.		OK	
Bemerkungen / Remarks / Observações		Bollinghaus Steel, SA			
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.		Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.			

129 K.F.P.

Heat 56170113

# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE  
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION:

PART NUMBER:

ASTM A276 OR ASTM A240  
M304B | T.TTT | X | WW.WWW |  
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES  
AND "WW.WWW" = WIDTH IN INCHES

△ EG. 0.5" x 3.0" BAR = M304B0.500X03.000  
△ EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

RELEASED  
2010-11-30

C	ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE FROM 304/316 BAR TO 304/316 BAR/PLATE	MB	10 11 25
B	REFORMAT DWG. ADD SPECS (2N D6-1). REF PAR 08-020A	CP	09 07 15
A	NEW ISSUE	PH	05 06 10
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.11.25		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304B			
TITLE 304/316 BAR/PLATE			
SHEET 1 OF 1			
SCALE NTS			
COPYRIGHT © 2005 BY DART AEROSPACE LTD			
THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED FOR THE PURPOSES OF THE PROJECT FOR WHICH IT WAS PREPARED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.			

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.625x3.000

PO / BATCH NO.: P0040841 / S107618

DATE: 18/09/04

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 0.625"

QUANTITY RECEIVED: 12.917kt

THICKNESS RECEIVED: 0.625"

QUANTITY INSPECTED: 12.917kt

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	ASTM A276
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	HT: 56170113
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> DATE: <u>18/09/04</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart

106433

## CERTIFICATE OF COMPLIANCE / CERTIFICAT DE CONFORMITÉ

Order No. / No. Commande	CUSTOMER / CLIENT	Packing slip / No. d'expédition	DATE	
Order No. / No. Commande	CUSTOMER / CLIENT	Packing slip / No. d'expédition	DATE	
AC00013952	LES ACIERS OUELLETTE INC	L36715-01	06-03-18	
MATERIAL ID# / No. MATÉRIEL	GRADE / NUANCE	HEAT TREATMENT / TRAITEMENT THERMIQUE	HEAT / COULÉE	
2017-1882	AISI 4140	Q.T.S.R / TREMPÉ REVENU - RECUIT DE DÉTENTE (RONDS)	J8443	
SHAPE / FORME	SIZE / DIMENSION	SPECIFICATIONS		
Round / Rond	4.500" in.	ASTM A29-12,A370-14,A434 Class BD-06,A193B7-14		
PAYS D'ORIGINE:	FRANCE	IMPACT TEST -40°C: 35,4J / 35,2J / 38,6J -30°C: 44,6J / 44,2J / 41,2J		
CHEMICAL COMPOSITION / ANALYSE CHIMIQUE				
	Carbon (C)	Silicon (Si) <sup>1</sup>	Manganese (Mn)	Phosphorus (P)
mini/maxi	0.380 0.430	0.150 0.350	0.750 1.000	0.035
actuel (%):	0.414	0.283	0.922	0.012
	Sulfur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
mini/maxi	0.040	0.800 1.100	0.000 0.250	0.150 0.250
actuel (%):	0.014	1.057	0.247	0.235
	Copper (Cu)	Vanadium (V)	Aluminium (Al)	Tungsten (T)
mini/maxi	0.350	—	—	—
actuel (%):	0.162	0.000	0.025	0.000
MECHANICAL PROPERTIES / PROPRIÉTÉS MÉCANIQUES				
Yield strength / Élasticité	Tensile / résistance à la traction	Elongation / allongement (%)	Reduction of area / surface (%)	Hd/dure surface
125,617	143,790	17.3%	54.0%	341 BHN

No weld repairs performed during the manufacturing of this product. We hereby certify that the above results have been verified and conform to the above mentioned specifications. Material is Mercury free, without radioactivity.

Aucune réparation exécutée par soudure durant la fabrication de ce produit. Par la présente nous attestons que les résultats ci-haut mentionnés ont été vérifiés et sont conformes aux spécifications. Pas de contact au Mercure, sans radioactivité.

Keith BALL - Branch Manager


RPA 4/12



REV.	DESCRIPTION	ECH #	DATE	BY	APPROVED
A	NEW ISSUE	17-790	17.12.13	VM	ML

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 ROUND BAR  
 MINIMUM ROCKWELL C = 20 Rc  
 MAXIMUM ROCKWELL C = 38 Rc  
  
 SPECIFICATION: ASTM A29, AMS 6349, AMS 6382, AMS 6529  
  
 PART NUMBER: MT-4140-R-ID.DDD]  
 WHERE "D.DDD" = DIAMETER IN INCHES  
 EX. 4" ROUND BAR = MT-4140-R-4.000

 <b>DART</b> Aerospace		Headquarters, Ontario, Canada	
TITLE <b>AISI 4140 ROUND BAR</b>			
PART NO <b>MT-4140-R</b>		REV <b>A</b>	
TOOL NO.			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DECIMALS ARE TO 0.005 FRACTIONS ARE TO 1/16 DIMENSIONS APPLY AFTER FINISHING			
DESIGNED BY: VM DRAWN BY: VM CHECKED BY: ML MFG REVIEW BY: DP	INITIALS AND DATE VM 17/13 VM 12/13 ML 12/19/2017 DP 12/20/2017	FINISH 304 P 304 XX ± .01 X ± .1	TOLERANCES FRACTIONS ± .10 ANGLES ± .5° SURF. FINISH ROUGHNESS
APPROVED BY: ML 12/20/2017 SCALE: NTS SHEET 1 OF 1			
COPYRIGHT © 2017 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.			



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-R4.500  
 DATE: 18/09/04

PO / BATCH NO.: P0040841/S107619

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 34  
 QUANTITY INSPECTED: 34  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 4.500"  
 THICKNESS RECEIVED: 4.500"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	ASTM A29
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	MT-JB443
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> DATE: <u>18/09/04</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in